

# Community Geothermal Heating and Cooling Design & Deployment Funding Opportunity

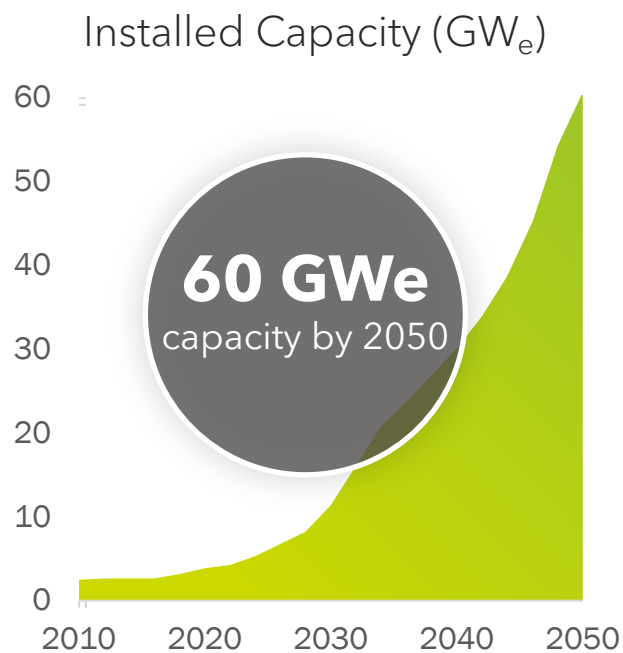
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## ELECTRIC

 **8.5%** of all U.S. generation by 2050

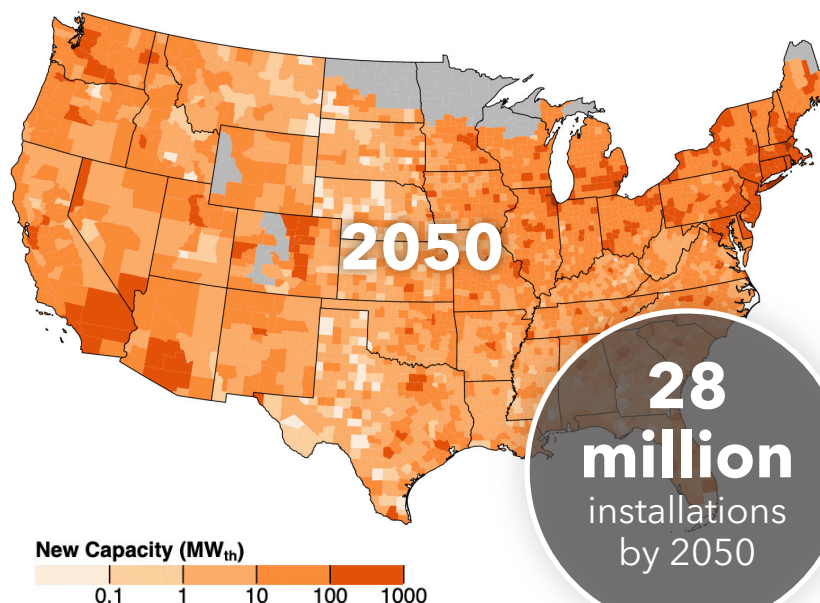


Source: Augustine et al. 2019

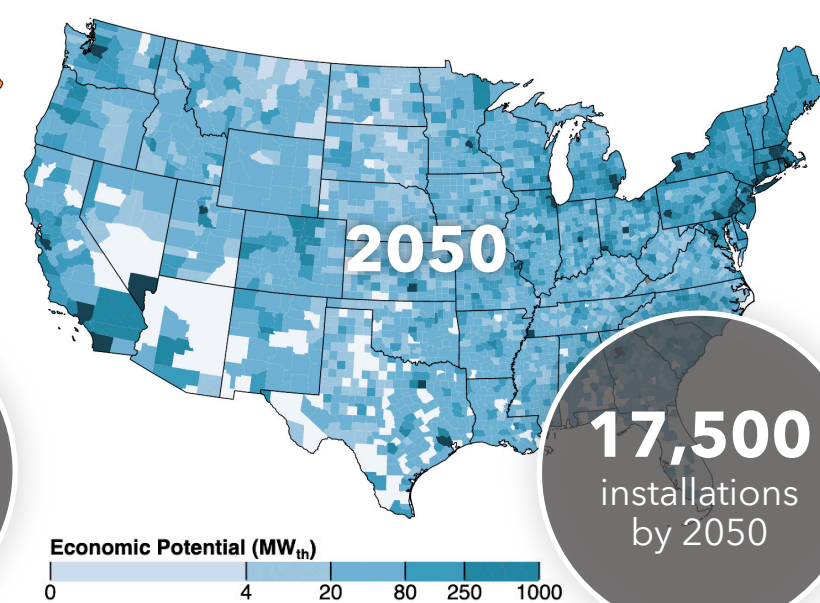
## HEATING & COOLING

 **23%** of U.S. Heating and Cooling market by 2050

### Geothermal Heat Pumps



### District Heating

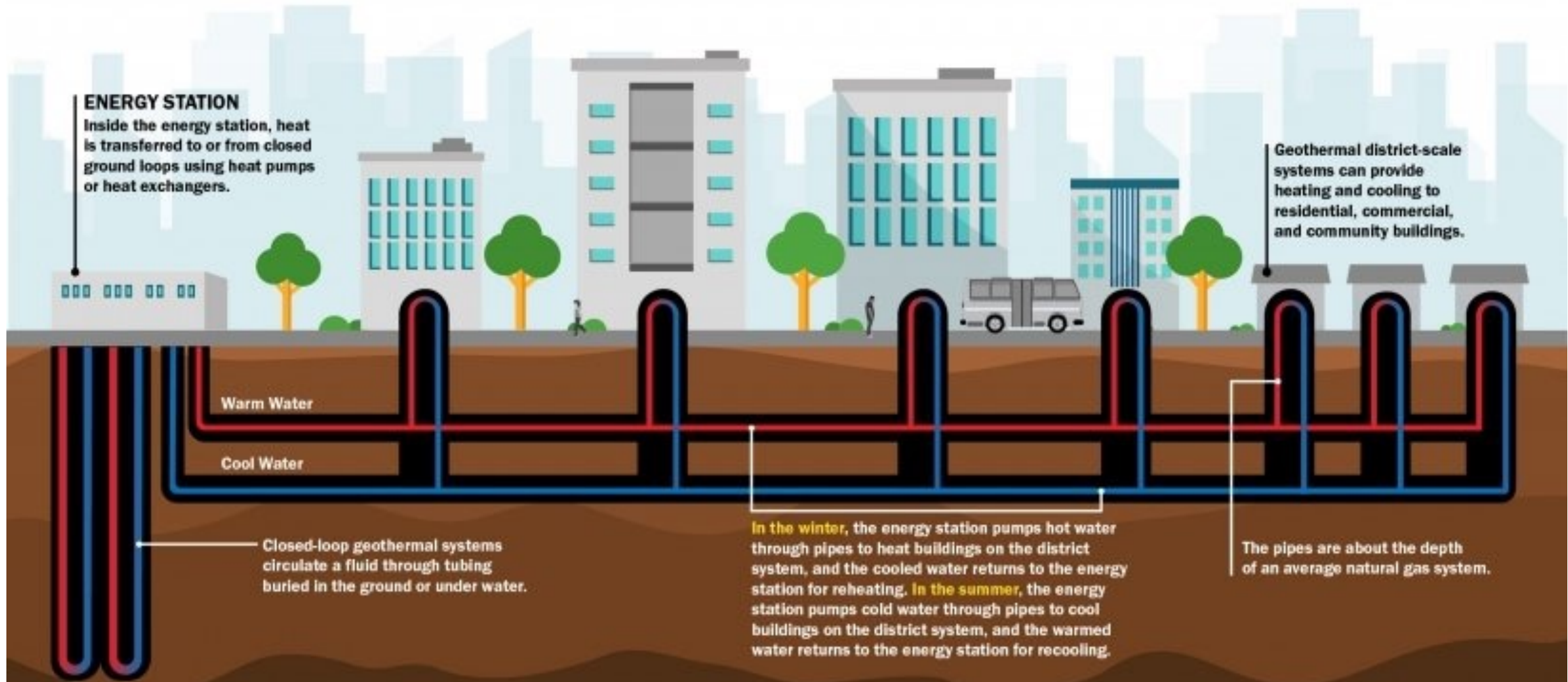


 up to **516 MMT**  
of avoided CO<sub>2</sub>e

 up to **1,281 MMT**  
of avoided CO<sub>2</sub>e

Total Emissions Reductions =  
removal of **26 million** cars per year

# Geothermal District-Scale Heating and Cooling Systems



# Community-Focused Geothermal Funding Opportunity



GTO recently released the **Community Geothermal Heating and Cooling Design and Deployment** funding opportunity. The opportunity will enable community-scale deployment of geothermal district heating and cooling systems in a diverse set of communities by coalitions comprising technical experts, community leaders, workforce innovators, and deployment professionals.

The FOA objective is to support the formation of U.S. community coalitions that will *develop, design, and install community geothermal heating and cooling systems* that supply at least 25% of the overall community heating or heating and cooling demand in communities where current fuel use to heat or heat and cool homes and/or businesses results in increased greenhouse gas emissions.

<https://www.energy.gov/eere/geothermal/articles/community-geothermal-heating-and-cooling-design-and-deployment>

# Community-Focused Geothermal Funding Opportunity



This initiative will help communities implement technology that can:

- Reduce energy burden and fossil fuel dependence,
- Increase grid resilience and stability, and
- Improve environmental quality.

The initiative also encourages innovative approaches to community-scale heating and cooling and aims to:

- Increase deployment
- Advance environmental justice
- Grow the workforce
- Share best practices
- Provide data and case studies.



To help facilitate participation by new stakeholders who might not be familiar with DOE funding opportunities or who are not able to prime an application, GTO created a **Teaming List**.

<https://www.energy.gov/eere/geothermal/community-geothermal-design-and-deployment-teaming-list>



To ensure diversity of community applications and maximize the range of test beds and case studies achieved through the FOA, coalitions should apply under one of the following three geographic sub-topic areas:

- Rural Communities
- Remote/Island/Islanded Communities
- Urban/Suburban Communities

## Schedule:

FOA Issue Date	July 12, 2022
FOA Webinar	August 22, 2022, 2:00 PM ET
Submission Deadline for Full Applications	October 11, 2022, 5:00 PM ET
Submission Deadline for Replies to Reviewer Comments	December 7, 2022, 5:00 PM ET
Expected Date for EERE Selection Notifications	March 2023
Expected Timeframe for Award Negotiations	Spring 2023

Questions? [CommunityGeo@ee.doe.gov](mailto:CommunityGeo@ee.doe.gov)

# FOA Quick Guide and Questions



GTO created a quick guide to help interested parties who are new to or unfamiliar with the DOE funding process navigate the FOA and ensure that they can find the most critical elements.

Link to the Quick Guide is available from the main FOA page on GTO's web site

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**Determine if the opportunity is a good fit for you. If you're ready to develop, design, and install a community geothermal heating and cooling system, chances are the answer is yes!**

- **Sections I.A. and I.B.** of the FOA provide details that can help you decide if such a project is the right fit for your community.
- **Sections II.A. and II.B.** provide information on the funding available and the cost share your coalition would need to provide to participate.



Questions? [CommunityGeo@ee.doe.gov](mailto:CommunityGeo@ee.doe.gov)

# Thank You!



Get the **\*hottest\*** geothermal news from *The Drill Down*, the monthly newsletter from GTO!

Sign up today: [geothermal.energy.gov](https://www.geothermal.energy.gov)

Read DOE's *GeoVision* report:  
[energy.gov/eere/geothermal/geovision](https://www.energy.gov/eere/geothermal/geovision)

Read GTO's Multi-Year Program Plan:  
<https://bit.ly/GTOMYPP>